STAT

7 August 1975

MEMORANDUM FOR: William Slingland
                 Manager, TMS 2

SUBJECT   : .TMS 2 Pre-Shipment Acceptance Tests

PSAT Preparation

Throughout the allotted testing period, the Government
requires four 3330 disks and one TBMTAPE, plus spares as
needed. Prior to the beginning of the first test period,
Ampex must DASDI the two 3330's that will become the BSS,
putting volsers of BSS001 and BSS002 on the two disks,
with each VTOC on cylinder zero, tracks one through
eighteen. These four disks (the 2 BSS and the 2 MSS
private disks) will be used only during the testing periods.

The TBMTAPE must be prepared by Ampex prior to the start
of the first test period and will be used only during the
test periods. In addition to the core required by the
test jobs, approximately 100K must be dedicated to the MST
and GTF system tasks. The Government will add members to
SYS1.PARMLIB to define BSS usage options. This will be
used by the MST during test periods.

Government personnel will be at Ampex prior to the PSAT
testing in order to

- install a new version of the MST, which will be used
  for PSAT

- verify the SMF exits needed for PSAT

- make the necessary changes in the test jobs to run
  at the Redwood City Computer Center

- meet with Ampex personnel to agree on the PSAT
  specifics, as described in the rest of this memo.

The Government would like to schedule these activities for
the period 24-27 August 75, to coincide with the monthly
review meeting scheduled for 26 August. No standalone time
is required for this preparation. It would expedite matters
if, prior to the 24th, Ampex would have 2 BSS disks per-
manently resident on the host and marked for storage, and
have allocated and catalogued on a 3330 that is permanently
accessible by TSO a PDS as follows:

    DSN=$1803m.PSAT,SPACE=(CYL,(10,,10)),DCB=(RECFM=FB,
        LRECL=80,BLKSIZE=6320)

Please confirm in writing to me or the COTR the above times
and a willingness to go over the PSAT plan, as outlined
below.

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     MSB/SED
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Pre-Shipment Acceptance Testing of TMS 2

The testing is to be conducted during 14-21 September 75, with a total time allotted for testing of 38 hours, of which 10 hours are stand-alone. As Ampex has to schedule time with its Corporate Computer Center, a more definitive time schedule is required. Within the above time frame, the individual test periods needed are:

- One 5-hour period of stand-alone time

- One 5-hour period running with normal processing

- The remaining 28 hours in 2, 3, or 4-hour periods

- At least 3 hours between periods

- A maximum of 3 periods in any 1 24-hour span

Stand-alone time is defined to mean a dedicated host, consisting of:

- at least 300K of core

- TSO availability

- dedicated printer

The Government will inform Ampex at least 24 hours in advance if more than this is required during stand-alone time.

During the 28 hours the Government is testing concurrently with normal Ampex processing, the following ground rules apply:

1. Ampex may supply the Government with a specific accounting code if Ampex so desires.

2. Test jobs run under HASP will be run with a special job class defined by Ampex. The SMF exits are required to be in the production system.

3. Test jobs in this class are given a high priority automatically by HASP.

4. There must be 2 initiators dedicated to this job class.

5. Jobs must be submittable to this special class via TSO.

6. When jobs complete, their priority is to be raised to the maximum for printing.

7. The MST system task will be under the exclusive control of the Government.

8. The Government will have a dedicated MCS console with full command authority.

9. The Government will, at its discretion, run the Generalized Trace Facility (GTF).

10. TSO must be active on the host and a terminal available to the Government.

11. Ten cylinders of 3330 space accessible by TSO must be available to the Government.

Ampex will insure that the system is ready to run (exclusive of the MST) at the beginning of each test period. "Ready to run" is defined as:

1. The MSS is ready to establish communication with the MST when the MST is brought up.

2. The private disks reflect either the status of MSS at the close of the previous test period or a "clean" system, at the option of the Government. The Government will give Ampex two hour's notice of which condition is desired.

3. The BSS to be used during the test period must be mounted on the host by Ampex prior to the start of the test period. The Government will inform Ampex before each test period whether 1 BSS volume or 2 BSS volumes are desired.

The Operating System must be modified to keep BSS volumes resident at all times during the test period.

4. The dedicated TBMTAPE must be mounted and must reflect the status of the private disks; i.e., if the MFD is clean, the TBMTAPE should be erased.

Ampex has the responsibility for the condition of the TMS 2 hardware and software, and if problems occur, Ampex will determine if the current TMS 2 hardware and software can continue the test. If it can, Ampex will restore the MSS to a runable condition, and inform the Government of the status of the system.

If Ampex desires to change the system, the changes must be documented and given to the Government prior to the use of the "new" system in a test period. The use of a new system may, at the option of the Government, require the re-running of any or all tests.

Changes in the host system will be made by mutual agreement. Modifications to SMF will be done by Ampex personnel.

The conducting of all tests, and the control of all MSS hardware and software, including the BSS volumes, shall be in the hands of the Government during the test periods. The Government determines the tests to be run during each period, and whether a particular test has passed or failed. During all test periods, there must be available at least 1 Ampex person for hardware support, 1 Ampex person for TMS software support, and 1 Ampex person for host software support.

Either Ampex or the Government can cancel a test period with 1 hour's notice. Test periods end when the allotted time has elapsed or the Government declares the test period over, whichever comes first. The Government will keep a log of all activity during test periods. This log will be available to Ampex. Within 1 hour of the end of each test period, there will be a joint discussion of the events of that test period.

The PSAT Tests

Each test of the MSS is described below. Included in this description is the feature or function tested, the procedure to be followed in conducting the test, and the desired criteria for measuring the success of the test.

The job names and file names are illustrative only and are unique with each test description.

The feature or function tested appears in the description as "To Test:" followed by 1 or more numbers. These numbers coincide with the numbers on the left-hand side of the 18-page document entitled MSS Testables, which is attached to this paper.